BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Road and Drains at Kogilu Poojamma Temple Road in Ward No. 05 Byatarayanapura Sub Division

		Estimate Cost Rs.						1000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
	Desilting of Drains								
	Keshava House Road		1	60.00	0.45	0.35	9.45		
	Cross Roads		1	40.00	0.45	0.35	6.30		
			1	50.00	0.45	0.35	7.88		
	For Road Surface								
	Keshava House Road		1	60.00	3.00	0.30	54.00		
	Cross Roads		1	40.00	2.50	0.30	30.00		
			1	50.00	3.00	0.30	45.00		
							152.63	96.48	**14725.00**
	Basic Rate	82.00							
	Add 11% AD-HOC	9.02							
	Total	91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	**Cum**							
	Keshava House Road		1	60.00	3.00	0.15	27.00		
	Cross Roads		1	40.00	2.50	0.15	15.00		
			1	50.00	3.00	0.15	22.50		
							64.50	5726.51	**369360.00**
	Basic Rate	4867.00							
	Add 11% AD-HOC	535.37							
	Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2016-17	Cum							
	Keshava House Road		1	60.00	3.00	0.10	18.00		
	Cross Roads		1	40.00	2.50	0.10	10.00		
			1	50.00	3.00	0.10	15.00		
							43.00	6917.23	**297441.00**
	Basic Rate	5879.00							
	Add 11% AD-HOC	646.69							
	Total	6525.69							
	Area Weightage @ 6%	391.54							
	Total	**6917.23**							
4	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2016-17	Sqm							
	Keshava House Road		1	60.00	3.00		180.00		
	Cross Roads		1	40.00	2.50		100.00		
			1	50.00	3.00		150.00		
							430.00	105.89	**45534.00**
	Basic Rate	90.00							
	Add 11% AD-HOC	9.90							
	Total	99.90							
	Area Weightage @ 6%	5.99							
	Total	**105.89**							
5	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(Page No 178., I.No.22.8.1 of PWD S.R 2016-17).	**Rmtr**							
	Keshava House Road		1	60.00			60.00		
	Cross Roads		1	40.00			40.00		
			1	50.00			50.00		
							150.00	135.31	**20296.00**
	Basic Rate	115.00							
	Add 11% AD-HOC	12.65							
	Total	127.65							
	Area Weightage @ 6%	7.66							
	Total	**135.31**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Kogilu Cross Roads		1	103.00	1.20		123.60		
							123.60	1856.67	**229484.00**
	Data Rate	**1856.67**							
7	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**152.63**		
							152.63	81.16	**12388.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	**73.12**							
	Add 11% AD-HOC	8.04							
		81.16							
							Grand Total		**989228.00**
8	For 1% Third Party Inspection Charges								**9892.00**
9	Miscesallaneous Charges	L/S							**880.00**
									1000000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05(Jakkur)

Executive Engineer
Byatarayanapura Division
17/02

Assistant Executive Engineer
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Ten lakhs only

Head of A/c. P-1771

Div. Ref. No. 178/17-18 Date. 17/02/18

AE

EE(BTP) 17/02

TECHNICAL SANCTION

Accorded For Rs. Ten lakhs only

Head of A/c. P-1771

Div. Ref. No. 64/17-18 Date. 17/02/18

AE

EE(BTP) 17/02